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Russians Leaping Ahead

U.S. OFFICIAL WARNS GAP

Ike To Begin Series Of 'Bolster' Talks November 13

By JOSEPH R. L. STERNE [Washington Bureau of The Sun]

washington, Nov. 1—The Administration today prepared to reassure the nation of its scien: wherever they want to," he time released an intelligence report showing Russia is making vast strides in many phases of termined."

what the Soviets can do.

"They can direct their efforts to wherever they want to," he energy and intercontinental ballistic missiles.

In electronics, he said, the Russians are satisfying major military requirements and have vast strides in many phases of termined." vashington, Nov. 1—The Adtechnology.

The reassurances will come when President Eisenhower makes a speech in Oklahoma

than bolstering.

Dr. Scoville stated that Russia has 1,500,000 trained scientists, as compared with 1,300,000 in the United States. Moreover, he said, Russian colleges are turning out scientists in greater volume than are American in-stitutions of higher learning. "The Russians are ahead in terms of total scientific and technical professional manpower,"

worse before it gets better."

of which were released today, Russian sets.
was made October 4 before the However, the cost is con-

Forewarned Of Sputnik

breparing to launch an earth were nonessentials, such as satellite. In fact, just a few cabinet, and not things that hours before the Soviet sputnik count. They have maintained was proclaimed to the world Dr. the high quality of their sets. Scoville told the committee:

"It wouldn't surprise us if such an announcement came at pressed by Russian research for it. They are the prepared pressed by Russian research

termined."

Soviet scientific strides, while in communications, he removing forward "by leaps and bounds" in the military field, equipment was "so superior" to also are considerable in peace-

the situation will get their components are superior technical studies. There is good to those of our sets. Actual pic-shop training and pupils

the last year there has been an erature are being weakened. attempt to bring down costs It showed that the CIA was and the Russians have cut down on, operate a ten-year schooling aware that the Russians were on the refinements, but these

"Americans Impressed"

for it. They are capable of doing and the quality of their work in these things."

The sputnik, according to Dr. On the subject of Soviet miliscoville, is fust an example of what the Soviets can do.

On the subject of Soviet military progress, Dr. Scoville pointed to achievements in electron-

Equipment "Superior"

City on November 13. His sub-time pursuits, the intelligence that there are rumors the Americal experience: "Science and Security." official said.

City on November 1.

This address, the White House said today, is the first of a series Mr. Eisenhower will make in line with his announced intention to bolster the nation's confidence in its economic, defense, foreign and scientific policies.

"We might believe that TV is a field of United States dominance, but in Moscow alone there are 2.000,000 TV sets. This confidence in its economic, defense, foreign and scientific policies.

"We might believe that TV is a field of United States dominance, but in Moscow alone there are 2.000,000 TV sets. This confidence in its economic, defense, foreign and scientific policies.

"Acre Scientists

"We might believe that TV is a field that the quality of widely separated atomic test samiles simultaneously. He pointed out further that in high energy physics the Soviets are making such "tremendous progress" that "they might pass us in this field in the near future."

In the field of intercontinental missiles, he said, the "In view of the dy of their entire score wastex."

ballistic missiles, he said, the Soviets are "putting forth tremendous efforts." While the CIA cannot prove whether the Russians actually fired an ICBM in August as they plained "they August as they claimed, "they have capacity to fire such a test vehicle if they want."

addition t launching."

While the tee was in

"Good Shop Training"

Dr. Scoville, in his talk to the President's committee, said the Soviet educational system is an excellent one for the production of good, competent engineering and scientific perneering scientific .per-

The Scoville report, portions ture performance is better in given tours of industry. While this emphasis on practical training is not harming scientific Presidents Committee of Scien-starably higher in Russia. In ties subjects as history and lit-

The Soviets, Dr. Scoville went system (as contrasted to twelve years in most of the United States.) Since practically all stu dents go this far with their schooling, many are prepared for technical jobs immediately

following graduation.
For these with college in mind, a two-year interim stint in industry is being encouraged.

"Greater Maturity" "This has the additional advantage of giving students in the higher educational institutions a greater maturity and a better feeling for the application of the principles they are learning in the classroom," the official declared.

In addition, the Soviets are pushing scientific knowledge through extension courses, a broadening of the engineering specialties, a streamlining of textbooks, educational exchange programs with Communist-bloc nations and by holding down the number of students per teacher.

Quality Improvement Seen

Dr. Scoville even saw Soviet scientific progress in the new and Russian plan to decentralize industry. It will mean, he said, that the quality of education and research will be improved

He closed his talk with the warning that the "Soviets are capable of great accomplish-ments both in peacetime and

"In view of the dynamic drive of their entire scientific program, we must expect further revolutionary developments in addition to the first satellite

While the President's committee was in the process of releasing this report today, Mr. Eisenhowever himself met with his Cabinet for nearly two hours. The missile race with Russia was believed to be on the agenda.

From a continuing series of conferences at the White House, it is believed that Mr. Eisenhow-200430025 Pientific data on which he will base his Oklahoma

declared. "If these trends Approved For Release 2001/08/20 Figure 1 and to get students interested in City speech.